

Errors in the book *Topology of Real Algebraic Sets*

Well, no sooner is a book printed that you look at it and find all sorts of stupid errors that you should have caught before. Oh well, here are a few that I have noticed. If you find some more, let me know.

Minor Errors

Page 37, line 3 from bottom: It is a universal R^m bundle.

Page 45: In the last displayed formula for φ_i the i -th coordinate should be y_i instead of x_i .

Page 76: This is not an error, but the details of the existence of the smooth balls D_i are fleshed out in the paper arXiv:1602.02608 [math.GT].

Page 122: It is stated that $\mathbf{Z}^{\mathcal{A}^S}$ is a vector space, which of course it isn't. I think in an earlier version, it was a vector space but was later changed to be the integer lattice instead. But somehow not all the text was changed accordingly.

Page 169: In the proof of Theorem 5.3.2 the first paragraph, one of the induction hypotheses is stated as $q_i(V_i)$ is an algebraic set. This often could not be so, for example if W did not have constant local dimension. This hypothesis should be deleted, but in the case $\dim V_i < \dim V_j$ for all $i < j$ the extra induction hypothesis should be modified to $\bigcup_{j \leq i} q_j(V_j) \supset \text{Sing}(\bigcup_{j \leq i+1} q_j(V_j))$ for $i = 0, \dots, n-2$. With these modifications, the proof becomes correct.